

CONTINUING ELIGIBILITY INSPECTION (CEI) REPORT
FOR FLOOD CONTROL PROJECTS

1. Project Name: Kahawainui Stream Flood Control Project

2. Date of Inspection: January 7, 2003

3. Inspection Personnel:

| <u>Name</u> | <u>Agency/Office</u> | <u>Telephone No.</u> |
|---------------------|----------------------|----------------------|
| a. Eric Li | CEPOH-EC-T | 438-8862 |
| b. Nani Shimabuku | CEPOH-EC-T | 438-2940 |
| c. Tyler Sugihara | DFM/Road Main Div. | 527-5347 |
| d. Hugh Liu | DFM/Road Main Div. | 527-5337 |
| e. Joel Kalili | DFM/Road Main Div. | 293-5657 |
| f. Saburo Goldstein | DFM/Road Main Div. | 293-5657 |



4. Discussion:

Several discrepancies were noted and brought to the attention of the C&C representatives during the inspection. The major deficiencies were as follows: **Refer to alphabetical lettered "photo plan" in back of report for picture reference.** The project was divided into 4 parts: natural to concrete channel transition adjacent Kamehameha Highway, Levee A, Floodwall I, and Levee B. Conditions were sunny and clear with low tide condition. (note RB denotes right bank while LB denotes left bank):

Table. Summary of Defects Requiring Maintenance

| Location | Station | Defects |
|----------------------|---------|--|
| Channel, RB | 14+50 | Trim branch encroachments. |
| Channel, LB | 14+50 | Remove mangroves. |
| Channel, LB | 15+80 | Remove mangroves. |
| Channel, LB | 16+50 | Remove gate from fence. |
| Channel, LB | 20+00 | Continue to coat/paint entire portion of fence to protect from oxidation. Replace 200' corroded fence fabric at mauka end. |
| Channel, RB | 19+50 | Remove debris from obstructing flapgate and patch concrete adjacent top of headwall. |
| Opposite Levee A, LB | 0+50 | Monitor concrete invert for future accretion of soil sediments. |
| Opposite Levee A, LB | 6+63 | Monitor and trim encroaching vegetation. |
| Opposite Levee B, LB | 0+50 | Trim encroaching vegetation. Typical on LB across levee B. |
| Levee B, RB | 3+00 | Monitor bank erosion |
| Levee B, RB | 3+50 | Remove tree. |
| | | |
| | | |



a. Channel Sta. 14+00, Overview looking at mouth of stream.



b1. Channel Sta. 14+50, RB, Trim encroaching vegetation.



b2. Channel Sta. 14+50, LB, Remove mangroves.



c. Channel Sta. 15+80, LB, Remove mangroves. Overview looking mauka at Kamehameha Highway.



d. Channel Sta. 16+00, Overview looking makai at Kamehameha Highway.



e. Channel Sta. 16+50, LB, Remove gate, which does not serve any purpose, from fence.



f1. Channel Sta. 19+50, RB, Overview.



f2. Channel Sta. 19+50, RB, Flapgate overview. Clear debris from obstructing flapgate.



f3. Channel Sta. 19+50, RB, Patch cracks adjacent top of headwall.



f4. Channel Sta. 19+50, RB, Overview of interior drainage to flapgate headwall.



g1. Channel Sta. 20+00, LB, Continue to coat/paint fence to protect from continued oxidation. The last two hundred feet of fence (Sta. 19+50 to 21+50) needs to be replaced because the fabric has been rusted out.



g2. Channel Sta. 21+50, LB, Repair damaged fence; to be replaced.



h. Levee A Sta. 0+50, Overview of levee A on RB. Monitor LB concrete section in the future for upstream soil sediments.



i. Levee A Sta. 3+00, RB, Overview of levee A looking mauka.



j. Levee A Sta. 4+80, Overview of Kahawainui and Laiewai Stream confluence.



k. Levee A Sta. 5+00, RB, Overview looking mauka.



l. Levee A Sta. 5+50, Overview looking at Kamehameha Highway in makai direction.



m. Levee A Sta. 6+00, Overview looking upstream of flow at Waihinepee Street bridge.



n. End Levee A Sta. 6+63, Overview taken from Waihinepee Street bridge looking downstream of flow.



o. End Levee A Sta. 6+63, LB, Monitor and trim encroaching vegetation. Overview looking upstream of flow.



p. Levee B Sta. 0+50, LB, Trim encroaching branches (typical).



q. Levee B Sta. 3+00, Overview looking downstream of flow towards floodwall.



r. Levee B Sta. 3+50, RB, remove tree.



s1. Levee B Sta. 6+60, RB, Overview of maintenance access to levee B looking downstream of flow.



s2. End Levee B Sta. 7+59, RB, Overview of maintenance access to levee B.



s3. End Levee B Sta. 7+59, Overview of Poohaili Street maintenance access to levee B looking mauka; turn right in picture to Levee B. End of project.

5. Conclusion:

IAW ER 500-1-1, (dated 30 September 2001), and based on this CEI, the Project Condition Code is ACCEPTABLE and the project is considered ACTIVE in the Rehabilitation and Inspection Program.

Signed: _____
Eric Li, CEPOH-EC-T

Signed: _____
James Pennaz, P.E., CH, CEPOH-EC-T

Enclosure(s)

1. Site Plan
2. Photo Map (Refer to report station numbers using this map)
3. Condition of Improvement dated 30 September 1991

